

**ABSTRACT**

The present invention pertains to the field of methods and apparatuses relating to radio communication; and in particular to the part of this field that concerns cellular radio communication. The present invention addresses mainly the problem of improving reliability and communication quality in a cellular radio communication system (1). According to the invention, it is determined whether one of an uplink (25) or a downlink (27) of a radio channel (23) is subject to a Rayleigh fading dip. If it is determined that one of the uplink (25) or the downlink (27) is subject to a Rayleigh fading dip, it is then determined whether it is necessary to execute a countermeasure in order to avoid the negative influences of Rayleigh fading on the channel (23). The invention is not limited to improving conditions on one channel but may be employed to any number of channels used for communications in the cellular radio communication system (1).

Figure of publication: Figure 1

200607220015